

SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING NEUTRAL EXPRESSIONLESS FACES IN DIGITAL IMAGES

ABSTRACT

A system and method for automatic detecting neutral expressionless faces in digital images and video is described. First a face detector is used to detect the pose and position of a face and find the facial components. Second, the detected face is normalized to a standard size face. Then a set of geometrical facial features and three histograms in zones of mouth are extracted. Finally, by feeding these features to a classifier, the system detects if there is the neutral expressionless face or not.